

Claims

1 1. An interactive computer controlled display system  
2 with speech command input recognition comprising:  
3 means for predetermining a plurality of speech  
4 commands for respectively initiating each of a  
5 corresponding plurality of system actions,  
6 means for providing for each of said plurality of  
7 commands, an associated set of speech terms, each term  
8 having relevance to its associated command,  
9 means for detecting speech command and speech terms,  
10 means responsive to a detected speech command for  
11 displaying said command, and  
12 means responsive to a detected speech term having  
13 relevance to one of said commands for displaying the  
14 relevant command.

1 2. The system of claim 1 further including interactive  
2 means for selecting a displayed command to thereby  
3 initiate a system action.

1 3. The system of claim 2 wherein said means for  
2 selecting said displayed command include speech command  
3 input means.

1 4. The system of claim 3 wherein said speech commands  
2 and relevant commands are displayed simultaneously.

1 5. The system of claim 4 wherein said means for  
2 providing said associated set of speech terms include:  
3 a stored relevance table of universal speech input  
4 commands and universal computer operation terms

092138556-1216998

5 conventionally associated with actions initiated by said  
6 input commands, and  
7 means for relating the particular interactive  
8 interface terms of said system with terms in said  
9 relevance table.

09213856-121098  
1 6. A method for providing speech command input to an  
2 interactive computer controlled display system with  
3 speech command input recognition comprising:  
4 predetermining a plurality of speech commands for  
5 respectively initiating each of a corresponding plurality  
6 of system actions,  
7 providing for each of said plurality of commands, an  
8 associated set of speech terms, each term having  
9 relevance to its associated command,  
10 detecting speech command and speech terms,  
11 displaying a speech command responsive to its  
12 detection as a speech command, and  
13 responsive to a detected speech term having  
14 relevance to one of said commands displaying the relevant  
15 command.

1 7. The method of claim 6 further including the step of  
2 interactively selecting a displayed command to thereby  
3 initiate a system action.

1 8. The method of claim 7 wherein said selecting of said  
2 displayed command include speech command input means.

1 9. The method of claim 8 wherein said speech commands  
2 and relevant commands are displayed simultaneously.

1 10. The method of claim 9 wherein said step of providing  
2 said associated set of speech terms includes:  
3 storing a relevance table of universal speech input  
4 commands and universal computer operations terms  
5 conventionally associated with actions initiated by said  
6 input commands, and  
7 relating the particular interactive interface terms  
8 of said system with terms in said relevance table.

1 11. A computer program having program code included on a  
2 computer readable medium for speech command input  
3 recognition in an interactive computer controlled display  
4 system comprising:  
5 means for predetermining a plurality of speech  
6 commands for respectively initiating each of a  
7 corresponding plurality of system actions,  
8 means for providing for each of said plurality of  
9 commands, an associated set of speech terms, each term  
10 having relevance to its associated command,  
11 means for detecting speech command and speech terms,  
12 means responsive to a detected speech command for  
13 displaying said command, and  
14 means responsive to a detected speech term having  
15 relevance to one of said commands for displaying the  
16 relevant command.

1 12. The computer program of claim 11 further including  
2 interactive means for selecting a displayed command to  
3 thereby initiate a system action.

1 13. The computer program of claim 12 wherein said means  
2 for selecting said displayed command include speech  
3 command input means.

09213856 JET 12/25

1 14. The computer program of claim 13 wherein said speech  
2 commands and relevant commands are displayed  
3 simultaneously.

1 15. The computer program of claim 14 wherein said means  
2 for providing said associated set of speech terms  
3 include:  
4 a stored relevance table of universal speech input  
5 commands and universal computer operation terms  
6 conventionally associated with actions initiated by said  
7 input commands, and  
8 means for relating the particular interactive  
9 interface terms of said system with terms in said  
10 relevance table.

09213856 . 121698